

BEST AVAILABLE COPY

Patent
Serial No. 09/540,047
Amendment in Reply to Office Action of January 9, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A reproducing arrangement (1) for reproducing scenes (S) of a stored film in an overview reproducing mode of the reproducing arrangement (1), having the arrangement comprising:

random access memory means (8) for the storage of audio/video data (AVD) of a film which is reproducible at a normal reproducing speed during a film reproduction time (TW1, TW2), and having;

mode means (4) which enable the overview reproducing mode of the reproducing arrangement (1) to be activated, at least two scenes (S1 to S6, S7 to S12) of the stored film (F11, F12) being reproduced in succession at the normal or an increased reproducing speed by the reproducing arrangement (1) in the overview reproducing mode, and a skip scene (US) recorded between two scenes (S1 to S6, S7 to S12) and reproducible at the normal reproducing speed during a skip reproduction time interval (TZ1, TZ2) not being reproduced in the overview reproducing mode, and having;

reproducing means (9) which, in the overview reproducing mode of the reproducing arrangement (1), are adapted to reproduce the stored audio/video data (AVD) of the film at the normal reproducing

Patent
Serial No. 09/940,047
Amendment in Reply to Office Action of January 9, 2006

speed from scene start positions ~~(SBI)~~ to scene end positions ~~(SEI)~~ during scene reproduction times ~~(TS)~~, and having;

scene defining means ~~(14)~~ for autonomously defining the scenes ~~(S1 to S6, S7 to S12)~~ of a stored film which are to be reproduced by the reproducing means ~~(9)~~ in the overview reproducing mode, the sum of the scene reproduction times ~~(TS)~~ defined for a stored film ~~(FI1, FI2)~~ by the scene defining means ~~(14)~~ essentially corresponding to always the same film overview reproduction time interval ~~(TU)~~ also in the case of regardless of potentially different film reproduction times ~~(TW1, TW2)~~ of the stored films ~~(FI1, FI2)~~.

2. (Currently amended) A reproducing arrangement ~~(1)~~ as claimed in claim 1, wherein input means ~~(5)~~ have been are provided for the manual entry of the film overview reproduction time interval ~~(TU)~~.

3. (Currently amended) A reproducing arrangement ~~(1)~~ as claimed in claim 1, wherein the scene defining means ~~(14)~~ are adapted to define scene reproduction times ~~(TS)~~ longer than a minimum reproduction time ~~(TM)~~.

4. (Currently amended) A reproducing arrangement ~~(1)~~ as claimed in claim 1, wherein output means ~~(7, 13)~~ are adapted to supply title information ~~(TI1)~~ of the films stored with the random access memory means to a display device ~~(12)~~ connectable to the

Patent
Serial No. 09/940,047
Amendment in Reply to Office Action of January 9, 2006

reproducing arrangement—(1), the mode means—(4), upon the selection of the title information of a stored film by a user of the reproducing arrangement—(1), being adapted to activate the overview reproducing mode of the reproducing arrangement (1)—and the reproducing means (9)—being adapted to reproduce the scenes (S) defined by the scene defining means (14)—for the film corresponding to the selected title information.

5. (Currently amended) A reproducing arrangement (1)—as claimed in claim 1, wherein the output means (7, 13)—are adapted to provide scene reproduction position information (SPI, M)—characteristic of the position within the film of the scene (S)—reproduced in the overview reproducing mode.

6. (Currently amended) A reproducing arrangement as claimed in claim 1, wherein commercial break detection means are adapted to detect commercial breaks in the stored audio/video data (AVD)—and wherein the scene defining means are adapted to autonomously define the scenes to be reproduced by the reproducing means in the overview reproducing mode, in such a manner that the commercial breaks appear in skip scenes—(US).

7. (Currently amended) A reproducing arrangement as claimed in claim 1, wherein scene change detection means have provided for the detection of a change of scene in the stored film and wherein the

Patent
Serial No. 09/940,047
Amendment in Reply to Office Action of January 9, 2006

scenes ~~(S)~~ of the stored film which are to be reproduced by the reproducing means in the overview reproducing mode are defined by the scene defining means in dependence on the detected scene change.

8. (Currently amended) A reproducing arrangement ~~(1)~~—as claimed in claim 1, wherein the random access memory means are formed by at least one of a hard disk ~~(8)~~ and/or and an optical disk.

9. (Currently amended) An overview reproducing method for reproducing scenes ~~(S)~~ of a stored film in an overview reproducing mode of a reproducing arrangement ~~(1)~~—which carries out the overview reproducing method, the overview reproducing method comprising the following steps:

[[1]] reproducing stored audio/video data ~~(AVD)~~—of a film at a normal reproducing speed during a film reproduction time ~~(TW1, TW2)~~,

[[2]] successively reproducing at least two scenes ~~(S1 to S6, S7 to S12)~~—of the stored film ~~(FI1, FI2)~~—at the normal or an increased reproducing speed during a film reproduction time interval ~~(TU)~~—while the reproducing arrangement ~~(1)~~—is in the overview reproducing mode, each of the reproduced scenes ~~(FI1, FI2)~~ being reproduced from a scene start position ~~(SBI)~~—to a scene end position ~~(SEI)~~—during a scene reproduction time ~~(TS)~~—and a skip scene ~~(US)~~—recorded between two scenes ~~(FI1, FI2)~~—and reproducible

Patent
Serial No. 09/940,047
Amendment in Reply to Office Action of January 9, 2006

at the normal reproducing speed during a skip reproduction time interval $\langle TZ_1, TZ_2 \rangle$ —not being reproduced in the overview reproducing mode,

[[1]] autonomously defining the scenes $\langle S_1 \text{ to } S_6 \rangle$ —of a stored film which are to be reproduced in the overview reproducing mode, the sum of the scene reproduction times $\langle TS \rangle$ —defined for a stored film essentially corresponding to always the same film overview reproduction time interval $\langle TU \rangle$ —also in the case of different film reproduction times $\langle TW_1, TW_2 \rangle$ —of the stored films $\langle FI_1, FI_2 \rangle$.

10. (Currently amended) An overview reproducing method as claimed in claim 9, including the following further step:

[[1]] processing the film overview reproduction time interval $\langle TU \rangle$ that has been entered manually by a user of the reproducing arrangement— $\langle 1 \rangle$.

11. (Currently amended) An overview reproducing method as claimed in claim 9, including the following further steps:

[[1]] supplying title information $\langle TI \rangle$ of the stored films to a display device $\langle 12 \rangle$ —connected to the reproducing arrangement— $\langle 1 \rangle$,
[[1]] activating the overview reproducing mode of the reproducing arrangement $\langle 1 \rangle$ —and reproducing the defined scenes $\langle S_1 \text{ to } S_6, S_7 \text{ to } S_{12} \rangle$ —of one of the stored films $\langle FI_1, FI_2 \rangle$ —when the user has selected the title information $\langle TI \rangle$ —of this stored film $\langle FI_1, FI_2 \rangle$.

Patent
Serial No. 09/940,047
Amendment in Reply to Office Action of January 9, 2006

12. (Currently amended) An overview reproducing method as claimed in claim 9, including the following further steps:

[[[-]]] detecting commercial breaks in the stored audio/video data—{AVD},

[[[-]]] autonomously defining the scenes {S1 to S6, S7 to S12} to be reproduced in the overview reproducing mode, in such a manner that the commercial breaks appear in skip scenes—{US}.

13. (Currently amended) An overview reproducing method as claimed in claim 9, including the following further steps:

[[[-]]] detecting a change of scene in the stored film,

[[[-]]] taking into account detected scene changes when autonomously defining the scenes {S1 to S6, S7 to S12} to be reproduced in the overview reproducing mode.

14. (New) A reproducing arrangement for reproducing scenes of a stored film in an overview reproducing mode of the reproducing arrangement, the arrangement comprising:

memory configured to store audio/video data of a film which is reproducible at a normal reproducing speed during a film reproduction time ;

a user mode selection adapted to enable the overview reproducing mode of the reproducing arrangement to be activated to display at least two scenes of the stored film reproduced in

Patent
Serial No. 09/940,047
Amendment in Reply to Office Action of January 9, 2006

succession at the normal or an increased reproducing speed by the reproducing arrangement in the overview reproducing mode, and a skip scene recorded between two scenes and reproducible at the normal reproducing speed during a skip reproduction time interval not being reproduced in the overview reproducing mode;

player adapted to reproduce the stored audio/video data of the film at the normal reproducing speed from scene start positions to scene end positions during scene reproduction times in the overview reproducing mode;

scene defining device arranged to autonomously define the scenes of a stored film which are to be reproduced by the player in the overview reproducing mode, the sum of the scene reproduction times defined for a stored film by the scene defining device essentially corresponding to always the same film overview reproduction time interval regardless of potentially different film reproduction times of the stored films.

15. (New) A reproducing arrangement as claimed in claim 14, wherein the user mode selection is arranged to provide for the manual entry of the film overview reproduction time interval.

16. (New) A reproducing arrangement as claimed in claim 14, wherein an output device is adapted to supply title information of the films stored with the memory to a display device connectable to the user mode selection upon the selection of the title information

Patent

Serial No. 09/940,047

Amendment in Reply to Office Action of January 9, 2006

of a stored film by a user of the reproducing arrangement, being adapted to activate the overview reproducing mode of the reproducing arrangement and the player being adapted to reproduce the scenes defined by the scene defining device for the film corresponding to the selected title information.

17. (New) A reproducing arrangement as claimed in claim 14, wherein an output device is adapted to provide scene reproduction position information characteristic of the position within the film of the scene reproduced in the overview reproducing mode.

18. (New) A reproducing arrangement as claimed in claim 14, wherein a commercial break detector is adapted to detect commercial breaks in the stored audio/video data and wherein the scene defining device is adapted to autonomously define the scenes to be reproduced by the player in the overview reproducing mode, in such a manner that the commercial breaks appear in skip scenes.

19. (New) A reproducing arrangement as claimed in claim 1, wherein a scene change detection device is arranged to provide for the detection of a change of scene in the stored film and wherein the scenes of the stored film which are to be reproduced by the player in the overview reproducing mode are defined by the scene defining device in dependence on the detected scene change.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.